

E1

1. A recombinant Sendai viral vector containing a genome carrying a foreign gene.

E2

3. The recombinant Sendai viral vector of claim 1, wherein the recombinant Sendai virus carries a foreign gene capable of being expressed in host cells.

E3

7. A kit comprising:
 - a. a cell expressing Sendai viral proteins NP, P, and L, and
 - b. the RNA molecule of claim 4 or 5.
8. A method for producing the recombinant Sendai viral vector of claim 1, comprising transfecting RNA of claim 4 or 5 to a cell wherein the cell expresses Sendai viral proteins NP, P, and L.
9. A kit consisting of the following three components:
 - a. a cell expressing Sendai viral proteins NP, P, and L;
 - b. a DNA molecule containing a template cDNA capable of transcribing RNA or cRNA of claim 4 or 5; and
 - c. a unit capable of transcribing said RNA with said DNA as template *in vitro* or intracellularly.
10. A method for producing the recombinant Sendai viral vector of claim 1, wherein said method comprises introducing into a cell expressing Sendai viral proteins NP, P, and L a DNA molecule containing a template cDNA capable of transcribing RNA of claim 4 or 5, and a unit capable of transcribing said RNA with said DNA as a template intracellularly.

11. A method for producing a foreign protein, comprising a process of infecting a host cell with the recombinant Sendai viral vector of Claim 3, and recovering the expressed foreign proteins.
12. A cell culture medium or allantoic fluid containing expressed foreign proteins and Sendai virus particles or parts thereof, obtainable by:
- a. initially transfecting the recombinant Sendai viral vector of claim 3 to a first host cell, wherein said foreign gene integrated therein encodes a foreign protein;
 - b. allowing said recombinant Sendai viral vector to disseminate to other host cells in the cell culture medium or around the allantoic fluid following said initial transfection of said recombinant Sendai viral vector into said host cells;
 - c. allowing said host cells to express said foreign protein; and
 - d. recovering said culture medium or allantoic fluid.
13. A DNA molecule for expressing a protein encoded by a foreign DNA integrated into a Sendai viral vector DNA, said Sendai viral vector DNA comprising:
- a. a promoter;
 - b. a cDNA encoding an RNA molecule corresponding to the Sendai viral genome of claim 1; and
 - c. DNA encoding a foreign DNA, wherein said foreign DNA is integrated within said Sendai viral genome and the Sendai viral genome containing said foreign DNA is inserted downstream of said promoter in an orientation for transcribing an antisense RNA of both said Sendai viral genome and said foreign DNA.
14. The recombinant Sendai viral vector of claim 1, wherein said vector allows for the expression in a host cell of both Sendai viral genes contained within said Sendai viral genome and said foreign gene.

15. The recombinant Sendai viral vector of claim 14, wherein at least one gene encoding Sendai viral protein selected from the group consisting of NP, P, and L proteins, is deleted or modified.

E3 16. An RNA molecule comprising RNA contained in the recombinant Sendai viral vector of claim 14.

17. An RNA molecule comprising a cRNA of RNA contained in the recombinant Sendai viral vector of claim 14.

18. The method of claim 10, wherein said virus is produced entirely without the use of a helper virus.

E4 20. The kit of claim 7, wherein said cell does not express heterologous DNA-dependent RNA polymerase.

E5 22. The method of claim 8, wherein said cell does not express heterologous DNA-dependent RNA polymerase.

✓ Please add new claims 27 and 28 as follows:

E6 27. A recombinant Sendai viral vector containing a genome in which at least one gene encoding a Sendai viral protein selected from the group consisting of NP, P, and L proteins, is deleted or modified.

28. The recombinant Sendai viral vector of claim 1, wherein said foreign gene is inserted prior to the ORF of the NP gene.
